

Anti-ABI5 Antibody

Catalog # AP54152

Product Information

Application	WB
Primary Accession	Q9SJN0
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47007

Additional Information

Gene ID	818199
Other Names	BZIP39; DPBF1; GIA1; NEM1; Protein ABSCISIC ACID-INSENSITIVE 5; Dc3 promoter-binding factor 1; AtDPBF1; Protein GROWTH-INSENSITIVITY TO ABA 1; bZIP transcription factor 39; AtbZIP39
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of arabidopsis thaliana ABI5. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

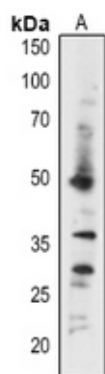
Protein Information

Name	ABI5
Synonyms	BZIP39, DPBF1, GIA1, NEM1
Function	Participates in ABA-regulated gene expression during seed development and subsequent vegetative stage by acting as the major mediator of ABA repression of growth. Binds to the embryo specification element and the ABA-responsive element (ABRE) of the Dc3 gene promoter and to the ABRE of the Em1 and Em6 genes promoters. Can also trans- activate its own promoter, suggesting that it is autoregulated. Plays a role in sugar-mediated senescence. Binds to the promoters of CARK1 and CARK3 to trigger their expression in response to ABA (PubMed: 35388459).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00978, ECO:0000269 PubMed:12410810}

Tissue Location

Predominantly expressed in seeds.

Images



Western blot analysis of ABI5 expression in Arabidopsis thaliana (A) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 47 kD)

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